

What is claimed is:

1. An electrical connector for being mounted on a main printed circuit board, comprising:

an insulative housing having a front mating face providing a receiving cavity extending rearwardly thereinto, a comb passage communicating with the receiving cavity, two ramps raised from a bottom portion of the receiving cavity and extending in a front-to-rear direction, and a slot defined between the ramps; and

a conductive contact received in the housing, the contact including a base portion having a front nose in a front portion thereof, a contacting portion angled rearwardly from the front nose and a shoulder extending transversely from a side of the base portion adjacent to the front nose, the base portion being held in the slot, the contacting portion being exposed in the receiving cavity, the contacting portion being deflected by the passage of the housing to engage the shoulder with the raised ramps.

2. The electrical connector according to Claim 1, wherein the passage deflects the contacting portion to provide a downward force on the contact.

3. The electrical connector according to Claim 1, wherein the housing includes two barriers projecting inwardly from the mating face into the receiving cavity, the ramps essentially aligned with and spaced from corresponding barriers in a front-to-rear direction, the slot extending between the barriers.

4. The electrical connector according to Claim 1, wherein the contact further includes a transition bight and a tail portion integrally attached to the base portion by a transition bight.

5. The electrical connector according to Claim 4, wherein the housing has a groove far from the front mating face, and wherein the tail portion of the contact includes a positioner portion received in the groove.

6. The electrical connector according to Claim 4, wherein the base portion further has an enlarged section far from the front nose, the enlarged section extending transversely and outwardly, the transition bight integrally extending from the enlarged section and interconnected between the base portion and the tail portion.

7. The electrical connector according to Claim 1, further including an insert module having a pinout therein, and wherein the contact extends into the pinouts and electrically connects with the insert module.

8. The electrical connector according to Claim 1, further including a plastic rear cover attached to the housing with the insert module sandwiched therebetween.

9. The electrical connector according to Claim 8, wherein the plastic rear cover has a projection extending from a top end thereof, and wherein the housing defines a locking hole for receiving the projection.

10. The electrical connector according to Claim 9, wherein the plastic rear cover has a fixing portion, and wherein the housing includes a shaft projecting inwardly from a bottom portion thereof engaging with the fixing portion of the rear cover.

11. The electrical connector according to Claim 1, further including an outer shell affixed around the housing for Electro Magnetic Interference (EMI) protection.

12. An electrical connector comprising:

an insulative housing having a front mating face providing a receiving cavity extending rearwardly thereinto, a bottom face located under the receiving cavity and with therein slots extending in a front-to-rear direction; and

at least two spaced conductive contacts received in the housing, each of said contacts including a base portion extending along the front-to-rear direction on said bottom face and held in the corresponding slot, a contacting portion extending from a front end of the base portion and extending into the receiving cavity, a transition bight extending from a rear end of the base portion, and a tail portion extending rearwardly from the transition bight and structurally located at

different level with regard to the base portion; wherein a pitch of the contacting portions of said two spaced contacts is smaller than that of the tail portions thereof.

13. The connector according to Claim 12, wherein said tail portion includes a large positioning section to interferentially retain the contact in the housing.

14. The connector according to Claim 12, wherein the tail portion is mechanically and electrically connected to an internal printed circuit board.

15. The connector according to claim 14, wherein said internal printed circuit board is connected to the tail portion in a perpendicular manner.